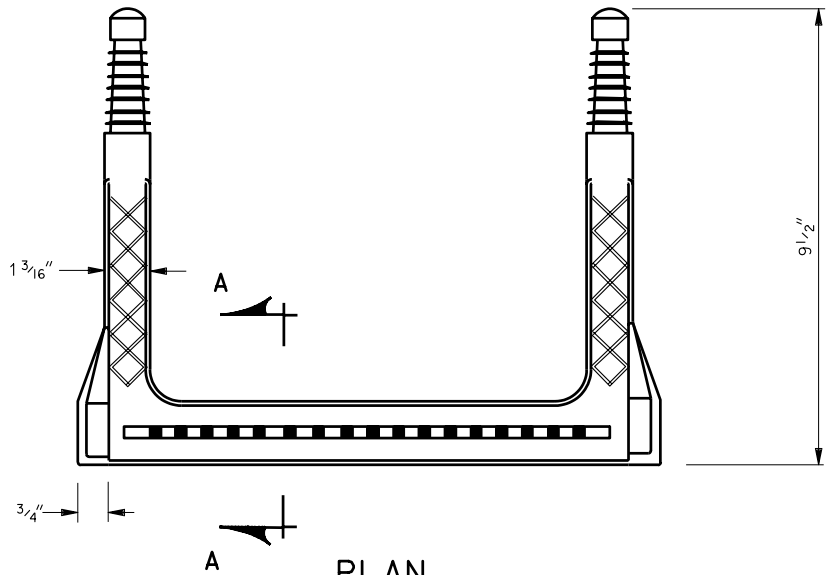
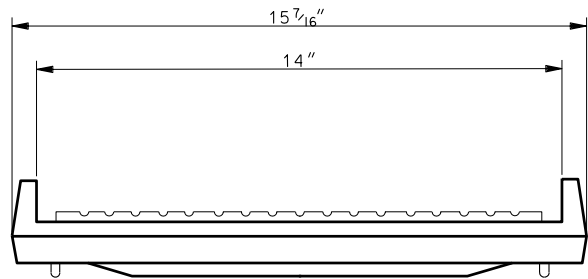


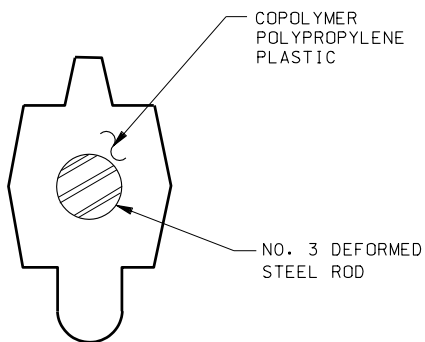
15-DEC-2004 DGN F:\et N\et\Standard Drawings\Imperial\2005\Approved\Grates Frames and Trash Racks (GF)\gr06.dgn



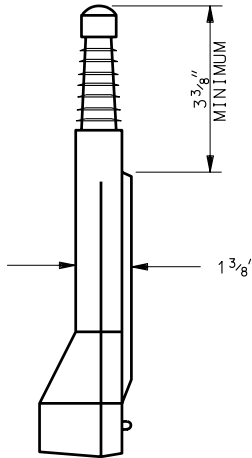
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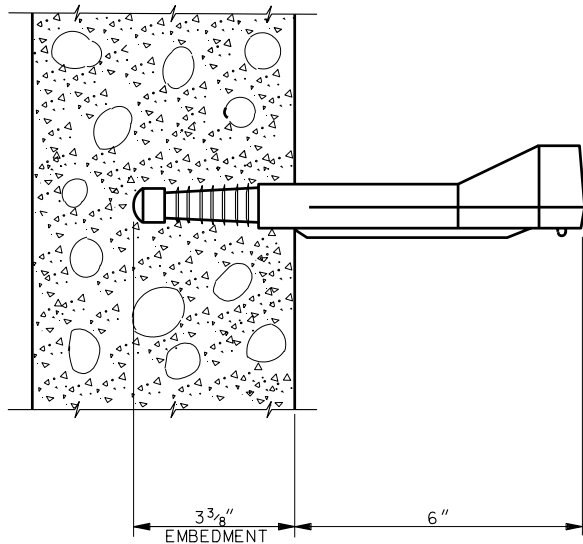
END VIEW



SECTION A-A



RIGHT SIDE VIEW



EMBEDMENT DETAIL

NOTES:

1. MANHOLE STEPS: CAPABLE OF WITHSTANDING A SINGLE CONCENTRATED LOAD OF 300 POUNDS APPLIED AT A DISTANCE OF 5 INCHES FROM THE FACE OF THE STRUCTURE WALL.
2. STEPS ARE TO BE VERTICALLY ALIGNED AND UNIFORMLY SPACED WITH A MINIMUM SPACING OF 12 INCHES AND A MAXIMUM SPACING OF 16 INCHES UNLESS SHOWN OTHERWISE ON STRUCTURE PLANS.
3. USE EITHER MANHOLE STEPS CAST-IN-PLACE, OR GROUTED INTO STRUCTURE WALL IN SUCH A MANNER AS TO PREVENT PULLOUT UNDER A LOAD OF 300 POUNDS APPLIED 5 INCHES FROM THE FACE OF THE STRUCTURE WALL.
4. STEEL REINFORCING OF MANHOLE STEPS: CONFORM TO AASHTO DESIGNATION M 31, GRADE 60, DEFORMED STEEL BAR. PLASTIC COATING OF MANHOLE STEPS: CONFORM TO ASTM DESIGNATION D 2146, TYPE II, GRADE 16906.
5. MANHOLE STEPS: CONFORM TO AASHTO DESIGNATION M 199 UNLESS NOTED OTHERWISE.
6. DIMENSIONS MAY VARY WITH MANUFACTURES DESIGN. USE ALTERNATIVE DESIGN WITH THE APPROVAL OF THE ENGINEER.

REVISIONS

UTAH DEPARTMENT OF TRANSPORTATION

STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION

RECOMMENDED FOR APPROVAL  
SALESMAN  
CHAIRMAN STANDARDS COMMITTEE  
APPROVED

DATE  
JAN.01.2005  
DATE  
JAN.01.2005

DEPUTY DIRECTOR

MANHOLE STEPS

STANDARD DRAWING TITLE

STD DWG  
GF 6